SOUTH EAST VIEW OF EXISTING FRONT FACADE @90-94 REVERE ST

EXISTING FRONT FACADE CLOSE UP
@90-94 REVERE ST

STREET VIEW OF EXISTING FRONT FACADE @90-94 REVERE ST

STREET VIEW OF EXISTING SIDE
FACADE @90 REVERE ST

STREET VIEW OF EXISTING REAR
FACADE @90-94 REVERE ST

GROUND FLOOR PLAN

SCALE: 1/4" = 1'-0"

FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

45 Newbury Street, Suite 506
Boston, MA 02116
Phone 617-956-9992
Fax 917-956-9993

GD GRASSI DESIGN GROUP

BG BEAUCHEMIN GRASSI INTERIORS

JOB NO: 2513
SCALE: 1/4" = 1'-0"
DATE: 03.06.26
REVISED

90-94 REVERE STREET
BOSTON, MA

GROUND AND FIRST FLOOR PLANS

1

SECOND FLOOR PLAN

SCALE: ¼" = 1'-0"

THIRD FLOOR PLAN

SCALE: ¼" = 1'-0"

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Fax 917-956-9993
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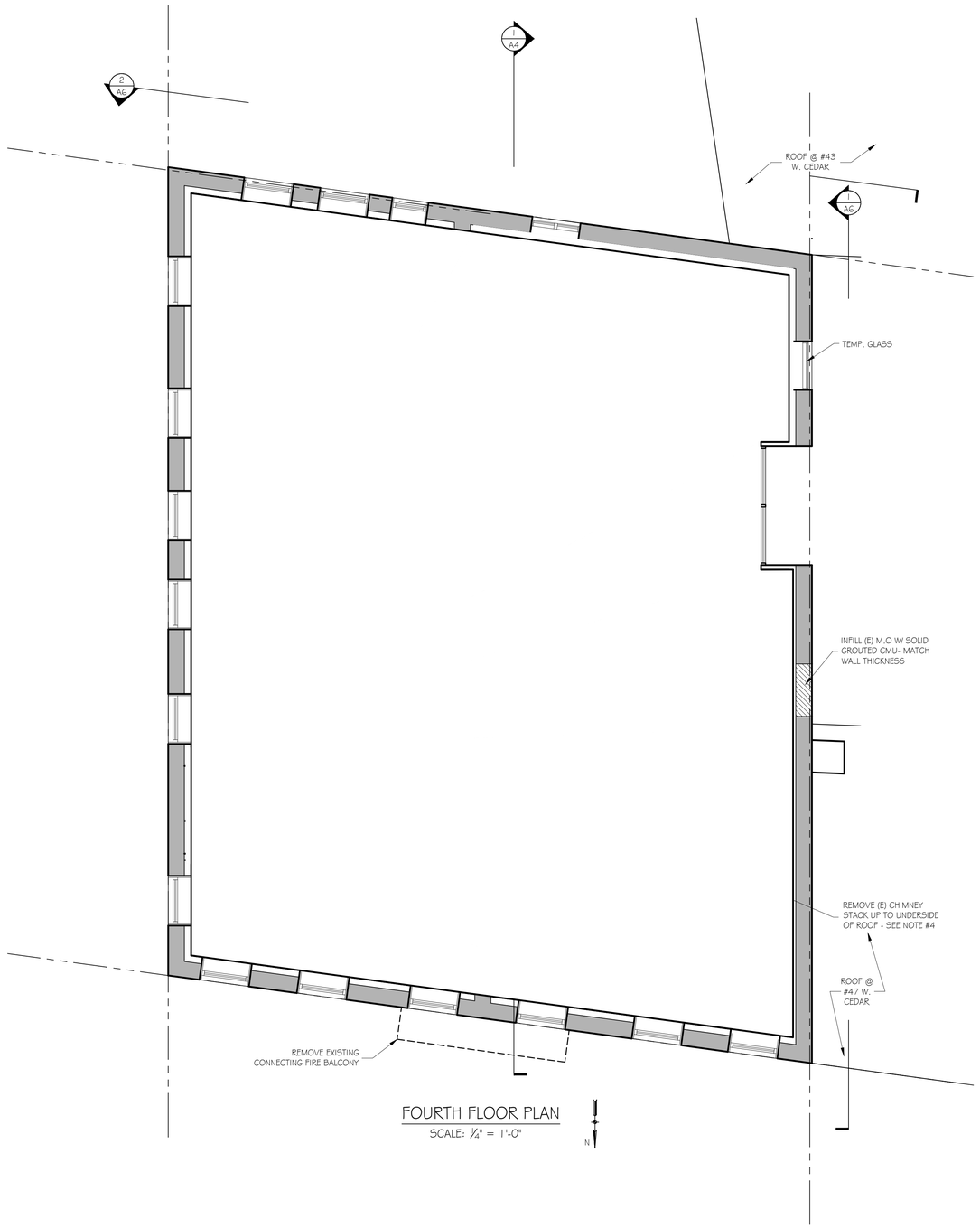
SCALE: ½" = 1'-0"
DATE: 03.06.26
REVISED

90-94 REVERE STREET
BOSTON, MA

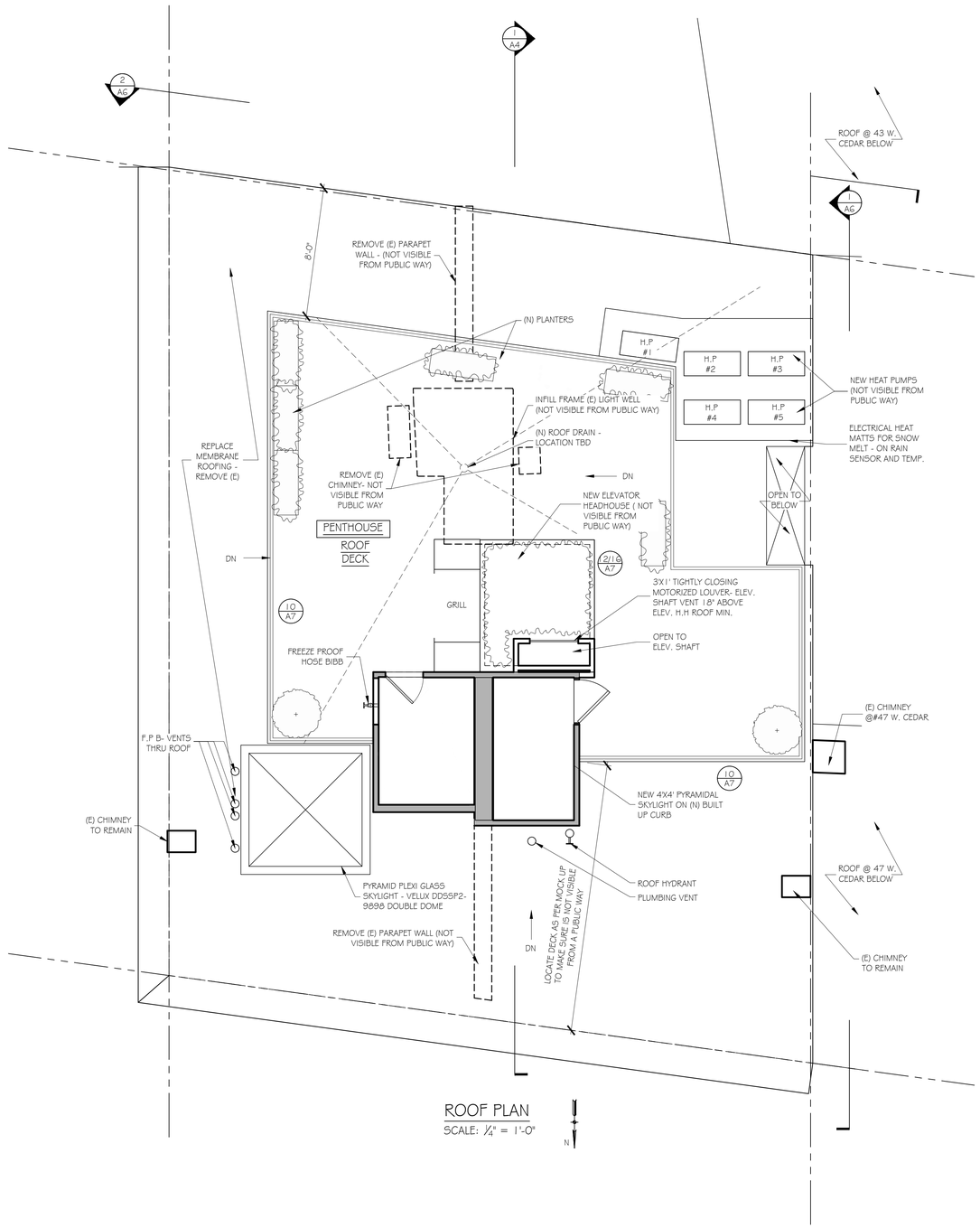
SECOND AND THIRD
FLOOR PLANS

2



FOURTH FLOOR PLAN

SCALE: 1/4" = 1'-0"



ROOF PLAN

SCALE: 1/4" = 1'-0"

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Phone 617-956-9992
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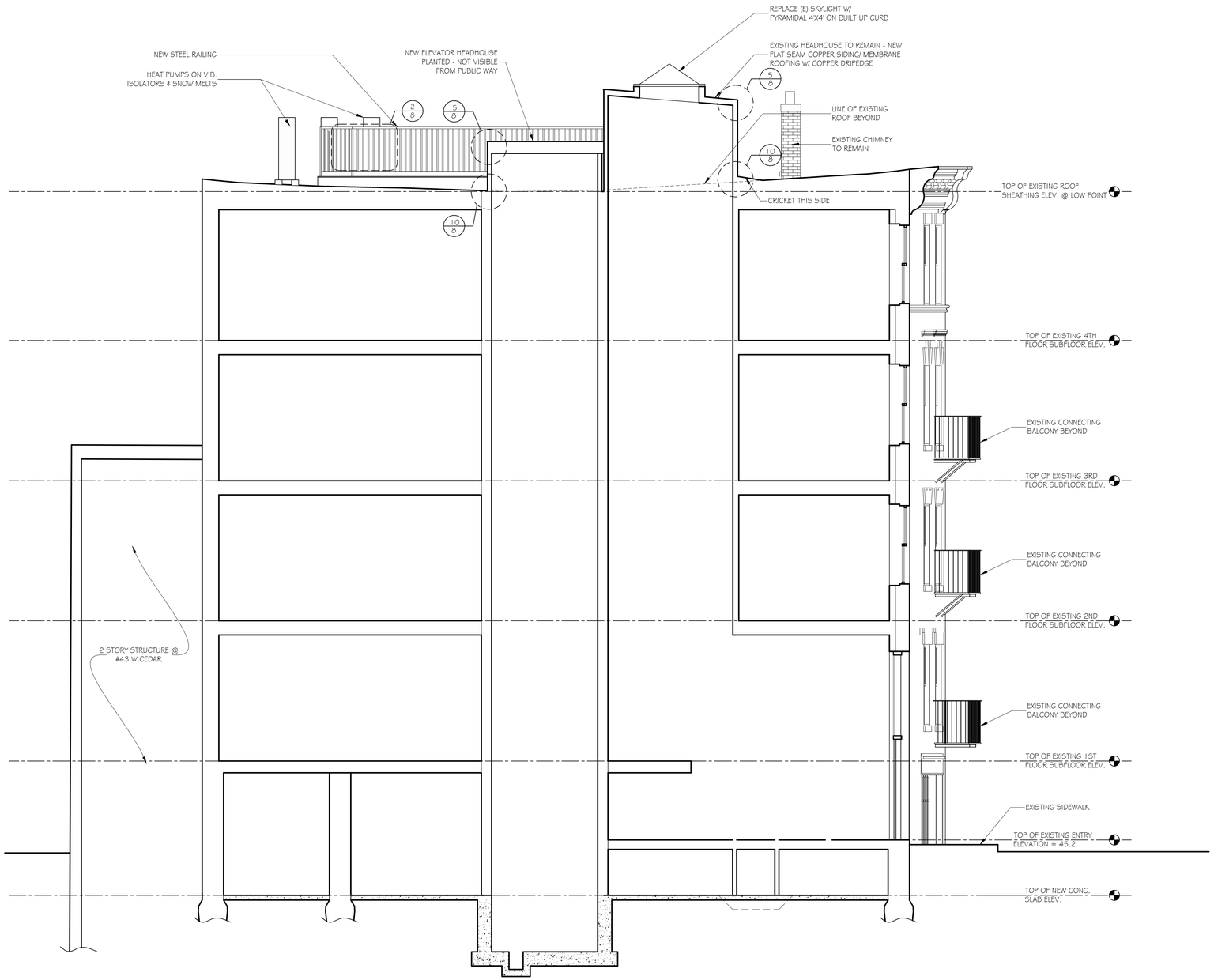
SCALE: 1/4" = 1'-0"
DATE: 03.06.26
REVISED

90-94 REVERE STREET
BOSTON, MA

FOURTH FLOOR AND ROOF PLANS

3



1 BUILDING SECTION
SCALE: ¼"=1'-0"

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JOB NO: 2513
SCALE: ¼" = 1'-0"
DATE: 03.24.26
REVISED

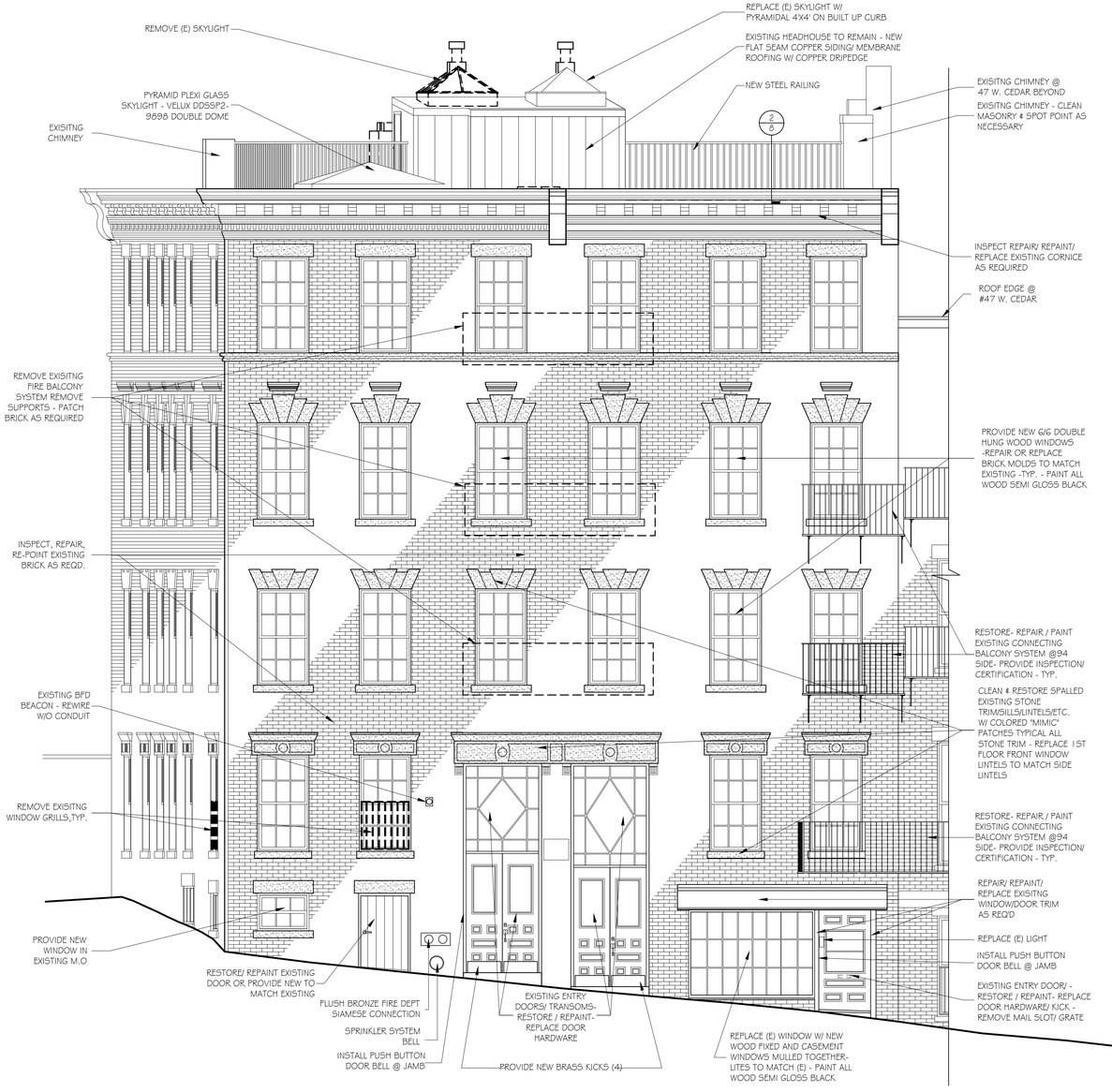
90-94 REVERE STREET
BOSTON, MA

BUILDING SECTION

4

EXISTING NORTH ELEVATION

SCALE: ¼"=1'-0"



PROPOSED NORTH ELEVATION

SCALE: ¼"=1'-0"

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Fax 917-956-9993

BEAUCHEMIN GRASSI INTERIORS

JOB NO: 2513
SCALE: ¼"= 1'-0"

REVISED

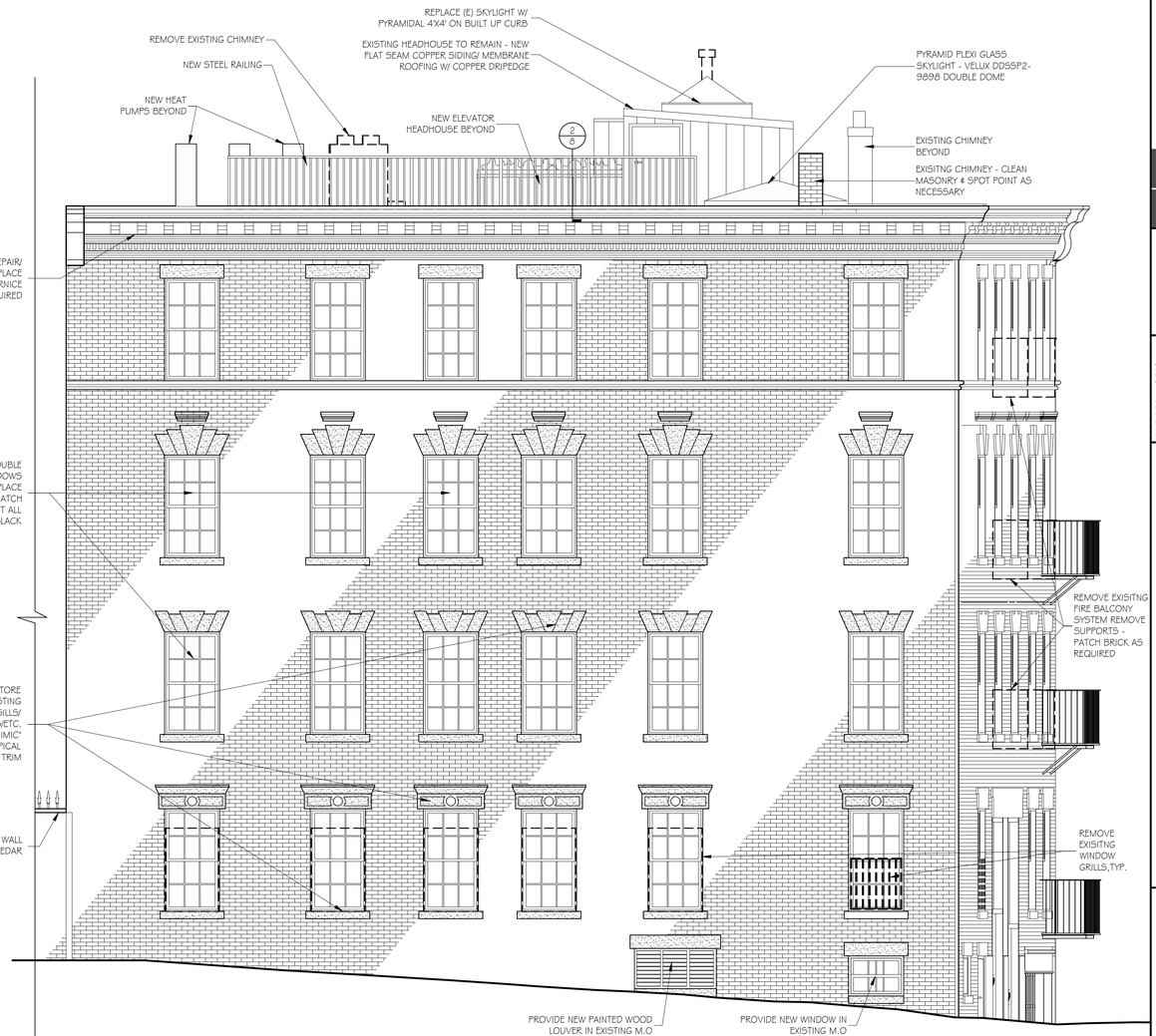
90-94 REVERE STREET
BOSTON, MA

EXISTING AND PROPOSED
NORTH BUILDING ELEVATION

5

EXISTING EAST ELEVATION

SCALE: ¼"=1'-0"



PROPOSED EAST ELEVATION

SCALE: ¼"=1'-0"

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Fax 917-956-9993
BEAUCHEMIN GRASSI INTERIORS

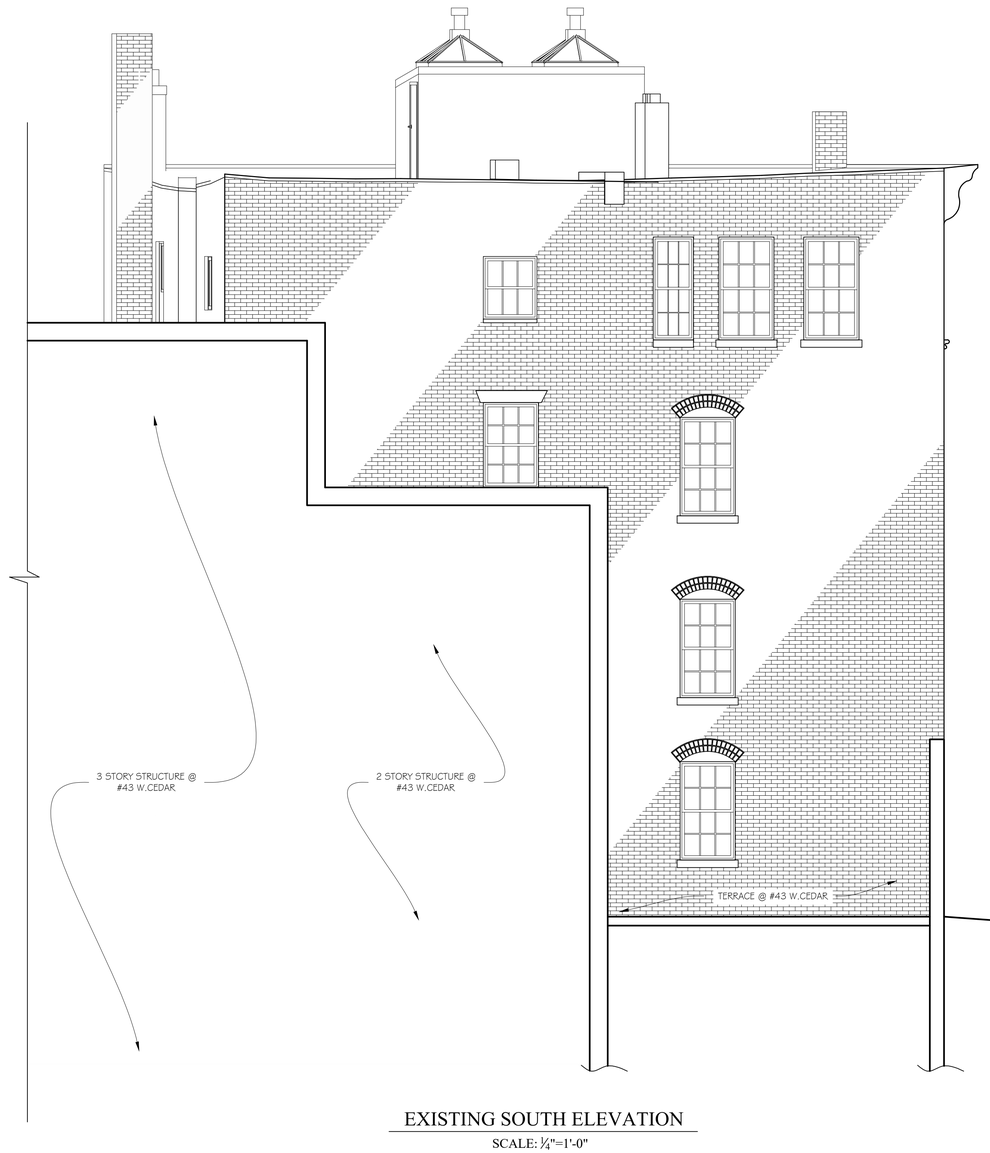
JOB NO: 2513
SCALE: ¼"= 1'-0"

REVISED

90-94 REVERE STREET
BOSTON, MA

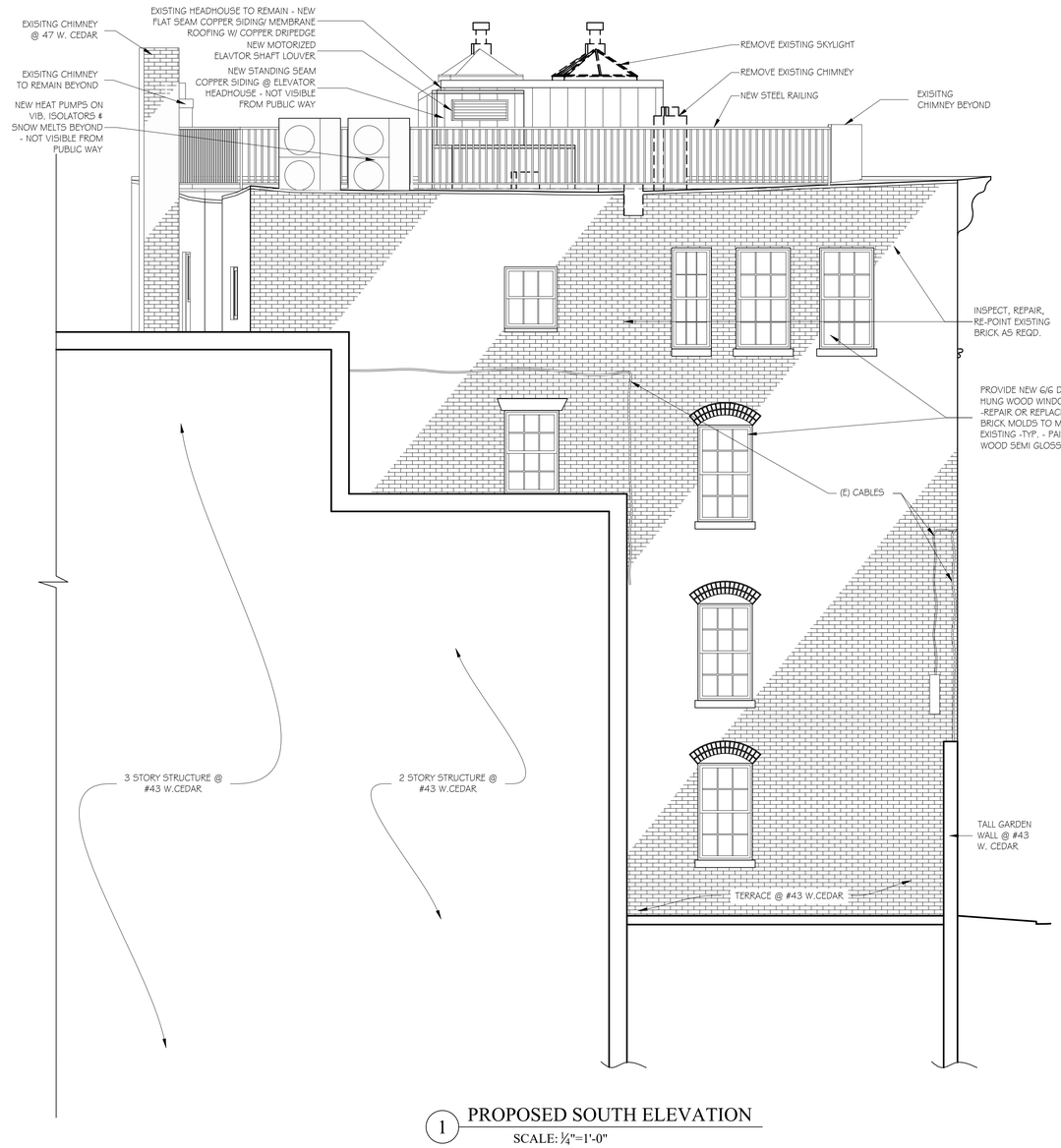
EXISTING AND PROPOSED EAST BUILDING ELEVATIONS

6



EXISTING SOUTH ELEVATION

SCALE: ¼"=1'-0"



1 PROPOSED SOUTH ELEVATION

SCALE: ¼"=1'-0"

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Phone 617-956-9992
Fax 917-956-9993
BEAUCHEMIN GRASSI INTERIORS

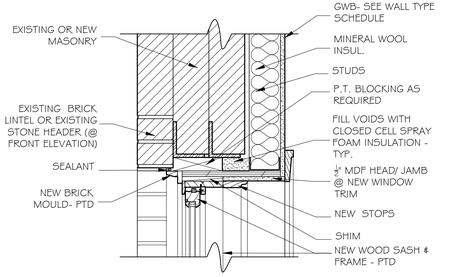
JOB NO: 2513
SCALE: ¼"= 1'-0"

REVISED

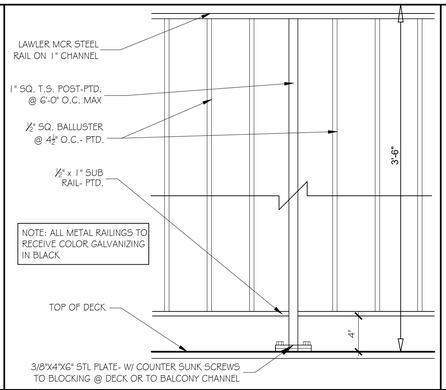
90-94 REVERE STREET
BOSTON, MA

EXISTING AND PROPOSED SOUTH BUILDING ELEVATIONS

EXTERIOR DETAILS



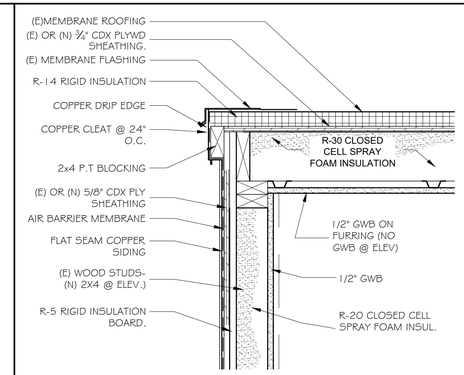
1 TYP. WINDOW HEAD DTL. IN MASONRY OPENING (JAMB SIM.) 1½" = 1'-0"



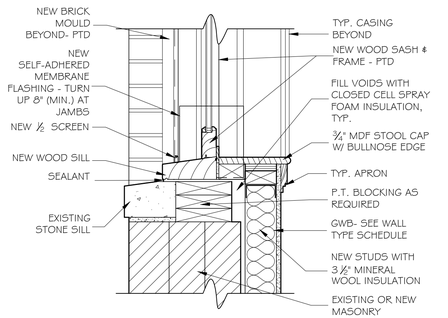
2 RAILING DETAIL @ ROOF DECK 1 ½"=1'-0"

3 NOT USED

4 NOT USED



5 HEAD HOUSE WALL @ ROOF (ELEV. SIM) 1 ½" = 1'0"

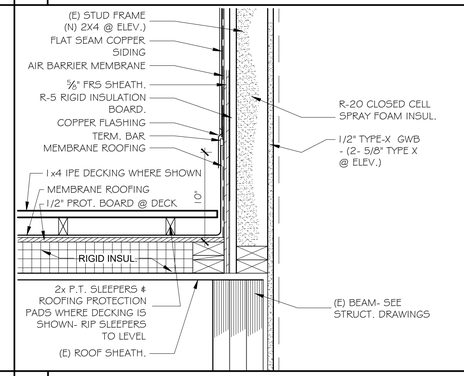


6 TYP. WINDOW SILL DETAIL IN MASONRY OPENING 1½" = 1'-0"

7 NOT USED

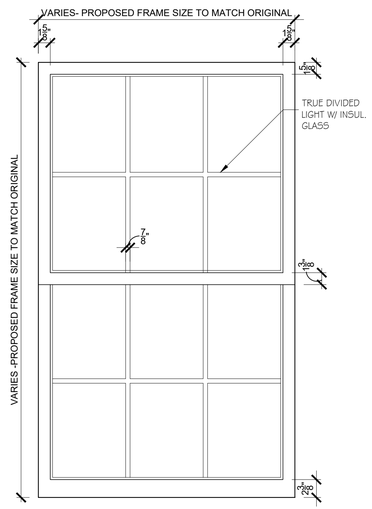
8 NOT USED

9 NOT USED



10 HEAD HOUSE WALL @ DECK 1 ½" = 1'0"

WINDOW TYPE ELEVATIONS - SCALE: 1" = 1'-0"



11 TYPICAL REPLACEMENT WINDOW ELEVATION 1" = 1'-0"

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BG BEAUCHEMIN GRASSI INTERIORS
45 Newbury Street, Suite 506
Boston, MA 02116
Phone 617-956-9992
Fax 917-956-9993

JOB NO: 2513
SCALE: AS NOTED
REVISED

90-94 REVERE STREET
BOSTON, MA

EXTERIOR DETAILS AND & WINDOW TYPE ELEVATIONS

8

ESTATE PORTFOLIO

NASHVILLE TRIM

MORTISE KNOB ENTRANCE TRIM

MODEL NUMBER: 6547.031.ENTR

FINISHES OPTIONS

ADD TO WISHLIST

WHERE TO BUY

SPECIFICATIONS INSTALLATION AND SUPPORT PRODUCT RECOMMENDATIONS

SPECIFICATIONS

all measurements in inches

LOCK TYPE	*Mortise*
STYLE	*Traditional*
LOCK FUNCTION	*Entry*

TYPE	ITEM #	DESCRIPTION	QTY/UOM
Set	6547.xxx.ENTR	Entrance Trim	Set
Set	6547.xxx.DBLC	Double Cylinder	Set
Set	6547.xxx.FD	Full Dummy	Set
Set	6547.xxx.ENFD† [1]	1 Active Entrance Set + 1 Full Dummy Set	2 Sets
Ext	6547.xxx.DM	Dummy Exterior only	Each
Interior	6793.xxx.KC	Interior Escutcheon – Cut for Cylinder (KC), Double Cylinder	Each
Interior	6793.xxx.KE**	Cut for Emergency Release (KE)	Each
Interior	6793.xxx.KN	Cut for Knob (KN), Passage/Dummy	Each
Interior	6793.xxx.KT	Interior Escutcheon w/ Turn Knob (KT)	Each
Interior	6793.xxx.KP	Escutcheons Cut for Privacy (KP)	Pair

- [1] †.ENFD only available in 050 & 112, to ensure a finish match on all components.

INSTALLATION AND SUPPORT

- INSTRUCTION SHEET
- WARRANTY
- PRINT SPEC SHEET
- DRILLING TEMPLATE
- DOWNLOAD PRODUCT IMAGES

PRODUCT RECOMMENDATIONS

Siedle Steel - Video Door station - Intercom Unit
Recess mounted with 2 push buttons (One shown)

Deltana

Deltana BBS333CR003 Bell Button, Rectangular Contemporary in PVD Polished Brass

$52 | As low as $10/mo. or 0% APR with Affirm
or | Design today. Pay over time.

Color: Polished Brass

See All 9

Free Delivery
Get it Sat, Mar 28 - Mon, Mar 30 to 02303

− 1 + ADD TO CART

Shop With Confidence
Discover complimentary design advice.
Enroll in Perigold Trade.

Overview Dimensions Details Returns

About Deltana

Deltana is an architectural hardware manufacturer with a proven record for exceptional service and quality.

EXPLORE THIS BRAND

You May Also Like

Baldwin Kick Plate 8 in. x 34 in. Non-Lacquered Brass - 2000.031.0834

Price ranges from $169.00 to $211.25 depending on options chosen below:

Finish:

044 Lifetime Satin Brass

Size:

0834 8 In x 34 In

Dixon 2 1/2 in. NST x 4 in. NPT Double Clapper Concealed Type Siamese Assembly - Polished - Auto Sprinkler

SKU: DX2WCA4025FP
Manufacturer: Dixon
Outlet: 4 in. Female NPT
Inlet: 2 1/2 in. Female NST (NH)
Label: Auto Sprinkler
Finish: Polished
Weight: 32.00 LBS

$2,055.28

From $204/month Credit Key for Business Customers

WARNING: This product may contain a chemical known to the State of California to cause cancer & reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Qty: 1

Add to Cart

PayPal

Pay with amazon

USE YOUR AMAZON ACCOUNT

More payment options

Share this:

DESCRIPTION | FEATURES | PACKAGE CONTENTS

Double Clapper Concealed Type Siamese Assembly from Dixon is fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections. Units have a maximum working pressure of 250 PSI and are UL/ULC Listed and FM approved.

Note: Branded "AUTO SPKR" with a polished finish.

Related Products

Dixon

Dixon 2 1/2 in. NST x 6 in. NPT Double Clapper Concealed Type Siamese Assembly - Polished - Auto Sprinkler

$2,480.69

Quick view | Add to Cart

Dixon

Dixon 3 in. NST x 4 in. NPT Double Clapper Concealed Type Siamese Assembly - Polished - Auto Sprinkler

$1,905.42

Quick view | Add to Cart

Dixon

Dixon 2 1/2 in. NST x 4 in. NPT Double Clapper Concealed Type Siamese Assembly - Polished Chrome Plated - Auto Sprinkler

$2,007.15

Quick view | Add to Cart

Dixon

Dixon 2 1/2 in. NST x 6 in. NPT Double Clapper Concealed Type Siamese Assembly - Polished Chrome Plated - Auto Sprinkler

$2,362.56

Quick view | Add to Cart

Dixon

Dixon 2 1/2 in. NST x 4 in. NPT Double Clapper Concealed Type Siamese Assembly - Polished - Stand Pipe

$2,055.28

Quick view | Add to Cart

You May Also Like

FREE KEYING SERVICE WITH PURCHASE

BALDWIN HARDWARE

SEE ALL LETTER SLOTS

★★★★★ (0)

Baldwin 0014 Letter Box Plate (package size)

$192.80 List Price: ~~$241.00~~

SKU: 0014

FINISH:

1 ADD TO CART

HAVE A QUESTION ABOUT THIS PRODUCT?

Share:

DETAILS

- Letter Box plates are well-crafted with an exterior hinged flap that keeps wind and bad weather out while allowing mail to be received
- In addition to the features of the 0012, the hinging back plate provides additional privacy and decorative appearance. Not suitable for vertical installation
- Overall size: 13"x 3.625; Inside opening (door prep): 11.562"x 2.812"
- Designed for use on exposed doors with larger opening to accommodate mail and small packages.
- Please call 1-800-358-2469 to speak with a Baldwin specialist or to order by phone

RESOURCES

DOWNLOADS

Instruction Sheet.pdf | Drilling Template.pdf | Warranty.pdf | File-Name.pdf

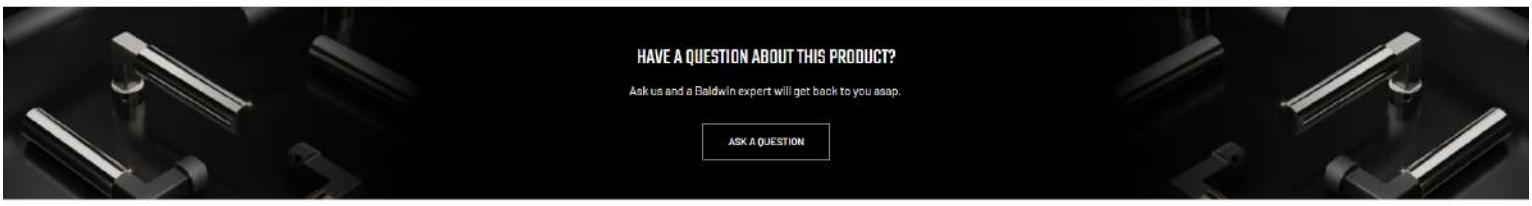
ACCESSORIES

FREE SHIPPING OVER $99

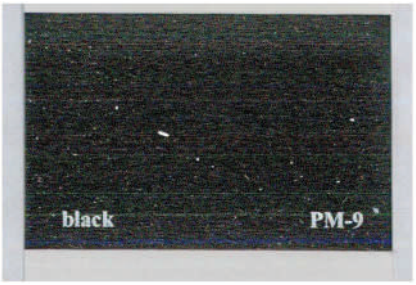
BALDWIN HARDWARE

Baldwin 0052 Letterbox Sleeve for 0012 & 0014

List Price: ~~$65.00~~ $62.00



BENJAMIN MOORE CLASSIC PAINT COLORS



Railing System

CITY MULTI® S-Series
Building Comfort Solutions

Roof Top Mech. Equipment

INVERTER R410A

CITY MULTI VRFZ TECHNOLOGY

MITSUBISHI ELECTRIC
HVAC Advanced Products Division

S-Series Solutions for the home or small office

The CITY MULTI S-Series offers all the features and benefits of our large commercial CITY MULTI Y-Series. The S-Series Solution features a single-phase outdoor unit with Variable Refrigerant Flow Zoning (VRFZ) technology and CITY MULTI Controls Network (CMCN) to cool or heat all zones with a variety of indoor unit styles. The compact outdoor unit utilizes R410A refrigerant and an INVERTER-driven compressor to use energy effectively. A maximum of eight CITY MULTI indoor units can be connected with up to 130% connected capacity, depending on diversity. CITY MULTI Controls Network intelligently manages the CITY MULTI building comfort solution through zone controllers and system controllers and optionally through a networked PC to manage individual comfort and to provide the ultimate building comfort solution.

Easy, flexible installation

The S-Series outdoor unit is easy to install and can be accessed for service through both a front and side panel. The unit's compact dimensions and easy accessibility allow multiple units to be stacked side by side in tight areas, saving valuable space and resources.

Available indoor units

Capacity Code	Wall-mounted PKFY-P-N*MU-E	Ceiling-recessed Cassette PLFY-P-N*MU-E	Ceiling-recessed Cassette PMFY-P-NBMU-E	Ceiling-suspended PCFY-P-NGMU-E	Ceiling-concealed (ducted) PDFY-P-NMU-E	Ceiling-concealed (ducted low-profile) PEFY-P-NMLU-E	Ceiling-concealed (ducted alternate high-static) PEFY-P-NMHU-E	Floor-standing (exposed/concealed) PFFY-P-NEMU/NRMU-E
Nominal Btu/h	6,000-30,000	8,000-36,000	6,000-15,000	15,000-36,000	6,000-48,000	6,000-12,000	15,000-54,000	6,000-24,000

Roof Top Mechanical Equipment

Hyper-heating

Indoor Unit				PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7
Outdoor Unit				PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA	PUZ-HA42NKA1
Cooling	Capacity	Rated [1]	BTU/H	24,000	30,000	36,000	42,000
	Capacity Range	Min-Max	BTU/H	10,000–24,000	14,600–30,000	14,800–36,000	18,800–42,000
	Power Input	Rated [1]	W	1,710	2,120	2,750	3,920
	Moisture Removal	Pints/h		3.0	5.4	5.5	4.5
	Sensible Heat Factor			0.860	0.800	0.830	0.880
Heating	Capacity at 47°F	Rated [2]	BTU/H	26,000	32,000	38,000	48,000
	Capacity Range	Min-Max	BTU/H	10,000–28,000	14,200–34,000	16,700–40,000	17,000–54,000
	Power Input at 47°F	Rated [2]	W	1,700	2,260	2,650	4,210
	Capacity at 17°F	Rated [3]	BTU/H	17,300	20,600	24,200	40,500
		Max	BTU/H	26,000	32,000	38,000	48,000
	Capacity at 5°F	Max [4]	BTU/H	26,000	32,000	38,000	48,000
	Capacity at -5°F	Max	BTU/H	—	—	—	—
Efficiency	SEER			21.5	20.2	20.0	16.3
	EER			14.0	14.1	13.0	10.7
	HSPF			11.3	9.8	10.4	9.8
	COP			4.5	4.1	4.2	3.3
	ENERGY STAR® Certified			Yes	Yes	Yes	No
Indoor Unit	Air Flow Rate - Cooling (Quiet-Lo-Med-Hi-SHi)	Dry	CFM	530–640–710–810	570–670–780–880	670–850–1020–1200	740–920–1060–1200
	Air Flow Rate - Cooling (Quiet-Lo-Med-Hi-SHi)	Wet	CFM	490–600–670–770	530–630–740–840	630–810–980–1160	700–880–1020–1160
	Air Flow Rate - Heating (Quiet-Lo-Med-Hi-SHi)	Dry	CFM	530–640–710–810	570–670–780–880	670–850–1020–1200	740–920–1060–1200
	Sound Pressure Level (Quiet-Lo-Med-Hi-SHi)	Cooling	dB(A)	28–30–33–36	28–32–35–38	32–37–41–44	34–38–42–45
	Sound Pressure Level (Quiet-Lo-Med-Hi-SHi)	Heating	dB(A)	28–30–33–36	28–32–35–38	32–37–41–44	34–38–42–45
	External Static Pressure		In. W.G.	—	—	—	—
	Condensate Lift Mechanism	Max Distance	In. [mm]	33-7/16 [849]	33-7/16 [849]	33-7/16 [849]	33-7/16 [849]
	Dimensions	H	In. [mm]	11-3/4 // 1-9/16 [298 // 40]	11-3/4 // 1-9/16 [298 // 40]	11-3/4 // 1-9/16 [298 // 40]	11-3/4 // 1-9/16 [298 // 40]
		W	In. [mm]	33-1/16 // 37-13/32 [840 // 950]	33-1/16 // 37-13/32 [840 // 950]	33-1/16 // 37-13/32 [840 // 950]	33-1/16 // 37-13/32 [840 // 950]
		D	In. [mm]	33-1/16 // 37-13/32 [840 // 950]	33-1/16 // 37-13/32 [840 // 950]	33-1/16 // 37-13/32 [840 // 950]	33-1/16 // 37-13/32 [840 // 950]
	Weight	lbs [kg]		56 // 11 [25 // 5]	56 // 11 [25 // 5]	56 // 11 [25 // 5]	56 // 11 [25 // 5]
Outdoor Unit	MCA	A		17.0	24.0	26.0	36.0
	MOCP	A		27	40	42	44
	Dimensions	H	In. [mm]	37-1/8 [943]	52-11/16 [1338]	52-11/16 [1338]	52-11/16 [1338]
		W	In. [mm]	37-13/32 [950]	41-5/16 [1050]	41-5/16 [1050]	41-5/16 [1050]
		D	In. [mm]	14-3/16 [360]	14-3/16 [360]	14-3/16 [360]	14-3/16 [360]
	Weight	lbs [kg]		190 [86]	261 [118]	261 [118]	283 [128]
	Air Flow Rate (Cooling/ Heating)	CFM		1940/1940	3880/3880	3880/3880	3319/3319
	Sound Pressure Level	Cooling	dB(A)	52	52	52	49
		Heating	dB(A)	53	53	53	51

SECTION 04500

MASONRY RESTORATION AND CLEANING

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of contract, including general and supplementary conditions and Division-1 specifications sections, apply to work of this section.

1.02 DESCRIPTION OF WORK

A. Extent of masonry restoration work is indicated on drawings and in schedules.

B. Masonry Restoration Work Includes the Following:
1. Chemical cleaning of exposed exterior masonry surfaces.
2. Repairing and rebuilding damaged stonework.
3. Stonework restoration.
4. Re-pointing of masonry joints as required.

NOTE: The chemical cleaning of exterior surfaces should be accomplished before new windows are installed.

C. Masonry construction is specified in other Division 4 sections.

D. Joint sealers are specified in a Division 7 section.

1.03 QUALITY ASSURANCE

A. Restoration Specialist: Work must be performed by a firm with not less than 5 years successful experience in masonry restoration projects employing skilled personnel for execution of the work.

B. Job Mock-Ups: Prior to start of general masonry restoration, conduct the following procedures. Obtain Architect's acceptance of visual qualities before proceeding with the work.
1. Cleaning: Prepare a 4 ft. by 6 ft. sample area on the building where directed by architect, showing materials and methods to be used for cleaning exterior masonry surfaces.

2. Re-pointing: Prepare a 4 ft. by 6 ft. sample area on the building where directed by architect, showing routing and repointing including mortar, type of joint, and workmanship for masonry in project.

3. Stonework Restoration: Prepare a 2' x 2' sample area on the building, where directed by Architect for stonework restoration. Use anchorage, bonding, mortar and workmanship expected in completed work. The restoration patching mix shall match the existing brownstone in texture and color. Acceptable panel shall be used as a standard for judging completed work.

C. Source of Materials: Obtain materials for masonry restoration from a single source for each type material required (face brick, cement, sand, etc.) to ensure match quality, color, pattern, and texture.

1.04 SUBMITTALS:

A. Product Data: Submit manufacturer's specifications and other data for each manufactured product, including certification that each product complies with specified requirements. Include instructions for handling, storage, installation and protection of each product.

B. Samples: Sample areas shall be used to exhibit the cleaning performance of the restoration cleaner on brick work. Test areas shall be selected by Architect and shall be approximately 20 sq. ft. Multiple tests of varying concentrations shall determine composition of cleaning solution required. Provide written certification by manufacturer that restoration cleaner is compatible with brownstone.

1.05 DELIVERY, STORAGE AND HANDLING

A. Protect masonry materials during storage and construction from wetting by rain, snow or ground water, and from staining or intermixture with earth or other types of materials.

B. Protect grout and mortar materials from deterioration by moisture and temperature. Store in a dry location or in waterproof containers tightly closed and away from open flames. Protect liquid components from freezing. Comply with manufacturer's recommendations for minimum and maximum temperature requirements for storage.

1.06 JOB CONDITIONS

A. Materials Protection: Do not use metal reinforcing or ties having loose rust or other coatings, including ice, which will reduce or destroy bond.

B. Protection of Work: During restoration cover wall with heavy waterproof sheeting at end of each day's work, if precipitation is expected.

C. Staining: Prevent grout or mortar from staining face of masonry to be left exposed. Remove immediately grout or mortar in contact with masonry.

D. Protect sills, ledges and projections from droppings of mortar.

E. Cold Weather Protection:
   1. Remove ice or snow formed on masonry bed by carefully applying heat until top surface is dry to the touch.
   2. Remove masonry determined to be frozen or damaged by freezing conditions.

F. Perform the following construction procedures while the work is in progress:
   1. When air temperature is from 40 deg. F (4 C) to 32 Deg. F (0 C), heat sand or mixing water to produce mortar temperatures between 40 deg. F (4 C) and 120 deg. F (49 C).
   2. When air temperature is below freezing, do not undertake tuckpointing or stone restoration.

G. Perform the following protections for completed masonry and masonry not being worked on:
   1. Protect masonry from rain or snow for at least 24 hours by covering with water-resistive membrane.

PART 2 PRODUCTS

2.01 BRICK:

A. Rebuild and/or repair existing masonry to be exposed, using bricks salvaged from selective demolition or new bricks to match existing.

2.02 MORTAR MATERIALS

A. Mortar for Face Brick and Accessories: Provide mortar for face brick and accessories to match original mortar in texture, color, strength, and hardness (density and porosity).
   1. Determining existing mortar mix constituents and ratios by analysis. Review laboratory evaluations with Architect before proceeding with the work.
   2. Match color of existing mortar by use of aggregates matching original aggregate color where possible. Use inorganic coloring pigments if satisfactory color match cannot be attained with natural materials.
   3. Mortar mix to be in accordance with New York City Landmarks Preservation Commission Row House Manual – page 44 – 1 part Portland cement, 2 parts lime, 8 parts sand – mix, then add pigments and water- (Type O).

2.03 MASONRY CLEANING (BRICKWORK)

A. A sample patch of cleaning must be reviewed and approved by architect before work is begun.

B. Cleaning Agent: Blended organic and inorganic acids combined with special wetting systems and inhibitors; as manufactured by ProSoCo, Inc., Type 1 Restoration cleaner – or approved equal for the removal of atmospheric carbon and dirt, paint oxidation, and embedded clay and mud stains from brick and other masonry surfaces.

2.04 RESTORATION MATERIALS

A. Epoxy Mortar: Conproco “mimic” trowel applied color matched, or approved equal.

B. Primer: Conproco “mimic” bonding agent or approved equal.

C. Stone Restoration Mix: Mix as per mortar manufacture’s recommendations.

PART 3 EXECUTION

3.01 CLEANING EXISTING MASONRY:

A. Preparation of Surfaces: Cleaners specified herein are highly concentrated products, and to the extent established by job site tests, shall be diluted with clean water before application.

1. Cleaners specified herein are harmful to glass, aluminum, painted, surfaces, foliage, and human skin and eyes.
2. Protect all surrounding areas as recommended by the literature of the manufacturer and as requested by the architect.
3. Windows shall be protected from contact with materials by masking with polyethylene, or by using Sure Klean Acid Stop, as manufactured by ProSoCo, Inc. South Plainfield, NJ or approved equal.
4. All polished stone, metal or non-masonry surfaces shall be protected from contact with the material by masking with polyethylene or approved protective material.
5. Adjacent shrubs, lawn, plants and sidewalks should be covered with polyethylene and protected from direct contact with the material.
6. Necessary routing of joints and replacement of damaged masonry units shall have been completed, with exception of final pointing, prior to beginning cleaning operation.
7. Adequate water supply shall be made available to assure thorough pre-soaking and thorough rinsing of the wall before undertaking general cleaning. All surfaces shall be thoroughly pre-soaked with clean water to prevent the absorption of the cleaning solution within the pores of the masonry.

B. Cleaning Process: Brick, unpolished granite, sandstone, terra cotta and/or exposed aggregate shall be spray or brush coated with Type I restoration cleaner, and left on the surface two or three minutes. A second application shall follow if deemed necessary by preliminary tests. Coated area shall then be rinsed from bottom up with clear water using high pressure rinsing equipment. Equipment shall be adjusted so that rinse water, either warm or cold, is applied at a pressure not to exceed 500 P.S.I. Attempts shall be made during the testing stage to determine if effective cleaning can be achieved with rinse water applied at pressures not to exceed 500 P.S.I. Flow of water shall be 10 gallons per minute. Gun used to apply water shall be equipped with not less than a 15" spray tip. All tips shall be fan type.

3.02 REPAIRING EXISTING MASONRY

A. Routing of Joints: Remove defective mortar joints to solid material or a depth of 1.0" whichever is greater, using hand tools. Take care to avoid damaging existing masonry or enlarging width of joints.
   1. A sample of pointing must be reviewed and approved by architect before work is begun.
   2. Mechanical tools will be permitted only on specific written approval of architect and demonstrated ability by operators to use without damage to masonry.
   3. Remove and repair damage to existing masonry by cutting, spalling and chipping as caused by routing operations.
   4. Thoroughly remove loose material from joints using a hose stream under normal pressure or by low pressure compressed air.

B. Mortar Mixing: Add only enough water to dry mix ingredients to produce a damp, workable mix. Keep mortar in dampened condition for 1 to 2 hours, and then add sufficient to bring it to proper consistency.

C. Replacing Brick: Lay brick and accessories to match existing bond, unless otherwise indicated.
   1. Match existing course height (one brick and one joint) for both face brick and back-up brick.
   2. Provide bonding between face brick and back-up brick as indicated.
   3. Provide joints to match existing, unless otherwise indicated. Delay final tooling of joints until mortar is thumb print hard. Take care to not spread mortar over the edges of face brick onto exposed surfaces.
   4. Wet brick before laying. Do not use brick which are saturated with water, or which have been unduly exposed to moisture or rain at site, or which have been in contact with ground.
   5. Lay brick with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not slush head joints. Do not furrow bed joint; strike mortar flat with trowel.

6. Lay up brickwork with full or half brick, as required. Do not fill in concealed work with spalls, small bats, or excess mortar.
7. Lay up brickwork level and plumb, or as otherwise required to match existing.

D. Re-pointing:
1. After careful routing and cleaning joints, wet joints thoroughly and then apply fresh, pre-hydrated mortar. Allow water to soak into joints, but joints should not be visibly wet with standing water during tuckpointing.
2. Fill mortar joints in layers not over 1/4" thick, with each layer applied with pressure as soon as previous layer has partially dried. Do not tool each layer smooth: Leave surface rough to help bond of subsequent layers. Compress the final packing as much as possible to completely fill joint. Compact joints solidly before final tooling.
3. Tool joints to match existing work which has not been repointed, or oldest joints found, unless otherwise indicated. Take care to not spread mortar over edges of brick onto exposed surfaces. Do not featheredge mortar. Cure mortar by maintaining in a damp condition for 5 days.

3.03 FINAL CLEANING

A. All mortar to fully harden for approximately 30 days after completion of work, then thoroughly clean exposed masonry surfaces of excess mortar and foreign matter using stiff nylon or bristle brushes and clean water under normal pressure.
1. Use of metal scrapers or brushes will not be permitted.
2. Use of acid or alkali cleaning agents will not be permitted.

3.04 STONE RESTORATION-PATCH METHOD

A. Carefully remove loose and friable stone, dust, dirt, oil and other contaminants.
B. Saw cut edges with a diamond blade at a 90 degree angle to eliminate feather edges. Repair zone must be ½” deep min.
C. Saturate surface of stone to be repaired.
D. Prime the prepared substrate in accordance with manufacturers instructions, while wet.
E. Mix mortar patch in accordance with mortar manufacturers instructions.
F. Apply materials in lifts, ½” minimum, 2: maximum, forcing materials against edges.
G. Cross hatch scratch each lift to prepare surface for next lift.
H. Overbuild ¼”, and shave to final form with trowel edge.
I. Entire method to be performed in accordance with manufacturers detailed instructions.

- END OF SECTION -